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SCHADLER FEIST, Linda [US/US]; 11 Wintergreen
Court, Clifton Park, NY 12065 (US).

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(74) Agent: ABB AB; Legal & Compliance/ Intellectual Prop-
erty, Forskargränd 8, S-721 78 Västerås (SE).

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(71) Applicant (*for all designated States except US*): ABB RE-
SEARCH LTD [CH/CH]; Affolternstrasse 52, CH-8050
Zürich (CH).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): ÖNNEBY, Carina
[SE/SE]; Antikvariev.14, S-724 81 VÄSTERÅS (SE).
GUSTAFSSON, Anders [SE/SE]; Torsgatan 19, S-441
51 Alingsås (SE). MÅRTENSSON, Eva [SE/SE]; En-
gsvallsgatan 8, S-722 20 Västerås (SE). PALMQVIST,
Lars [SE/SE]; Bovegatan 32, S-441 51 Alingsås (SE).
SIEGEL, Richard, W. [US/US]; 7 Myton Lane, S-12204
MENANDS, NEW YORK (SE). HONG, Jung-II
[US/US]; 285 Sunset Ter., A31, Troy, NY 12204 (US).

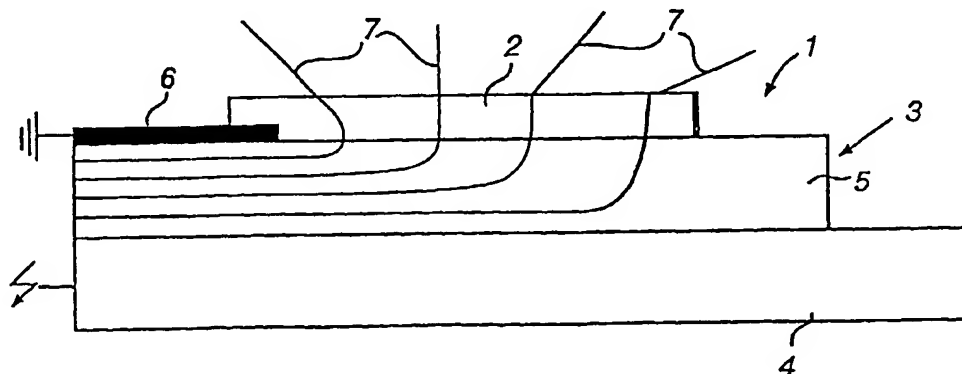
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(54) Title: FIELD GRADING MATERIAL



(57) Abstract: The present invention relates to a field grading material consisting of a polymeric matrix provided with a filler. The filler comprises a field grading effective amount of particles having at least one dimension smaller than or equal to 100 nm. The invention also relates to a device comprising such a field grading material for grading an electric field in high-voltage applications and a method for grading an electric field at a joint or termination of an electric power cable using such a field grading material.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol.199, no. 810 31 August 1998 (1998-08-31) & JP 10 116702 A (FURUKAWA ELECTRIC CO LTD) 06 May 1998 (1998-05-06) abstract see section 0002-0003-0006-0009 --	1-2,5,8-13
A	US 2002070428 A1 (BERNHOF ET AL), 13 June 2002 (13.06.02), see section 0008-0023,0037-0038 --	1-13

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Facsimile No. +46 8 666 02 86

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FREDRIK WAHLIN/MN

Telephone No. +46 8 782 25 00

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Solid Dielectrics, 2001. ISCD '01. Proceedings IEEE 7th International Conference on pages 43-45, Onneby C. et al, "Electrical properties of field grading materials influence silicon carbide grain size" ISBN:0-7803-6352-3, see page 43</p> <p>-- -----</p>	1-13

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